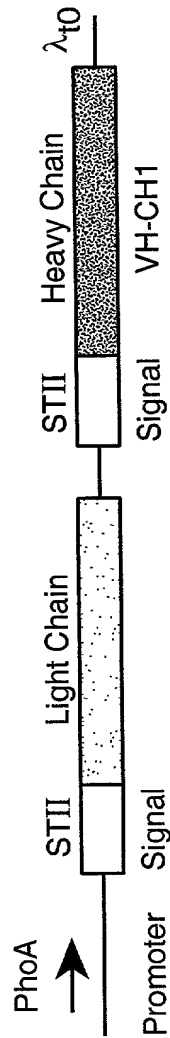


Fab Expression Vector pAK19



Full Length Antibody Expression Vector Derived from pAK19

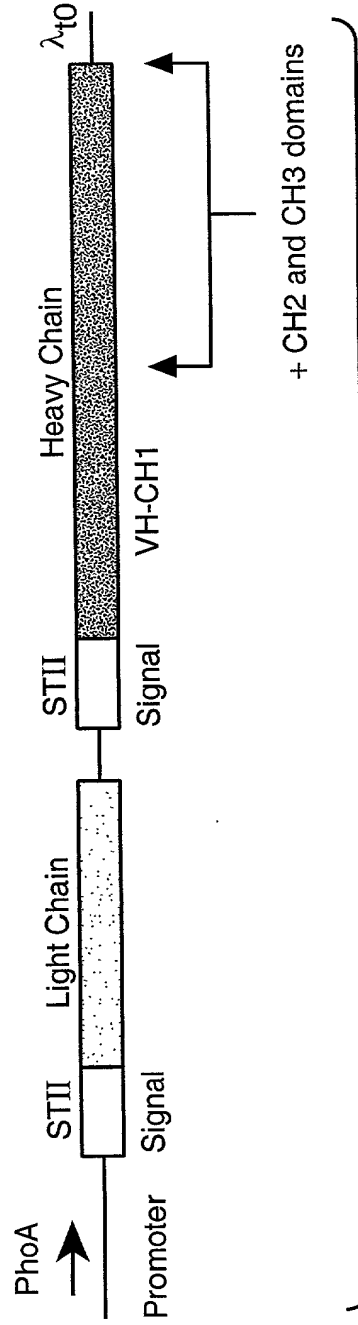


FIG..1

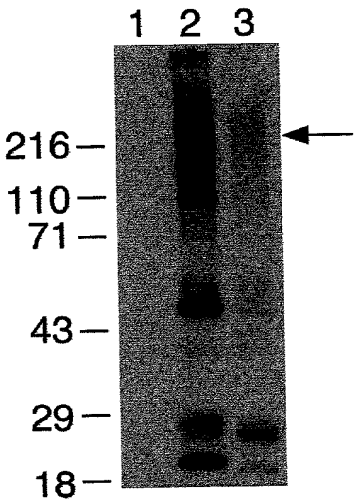


FIG._2

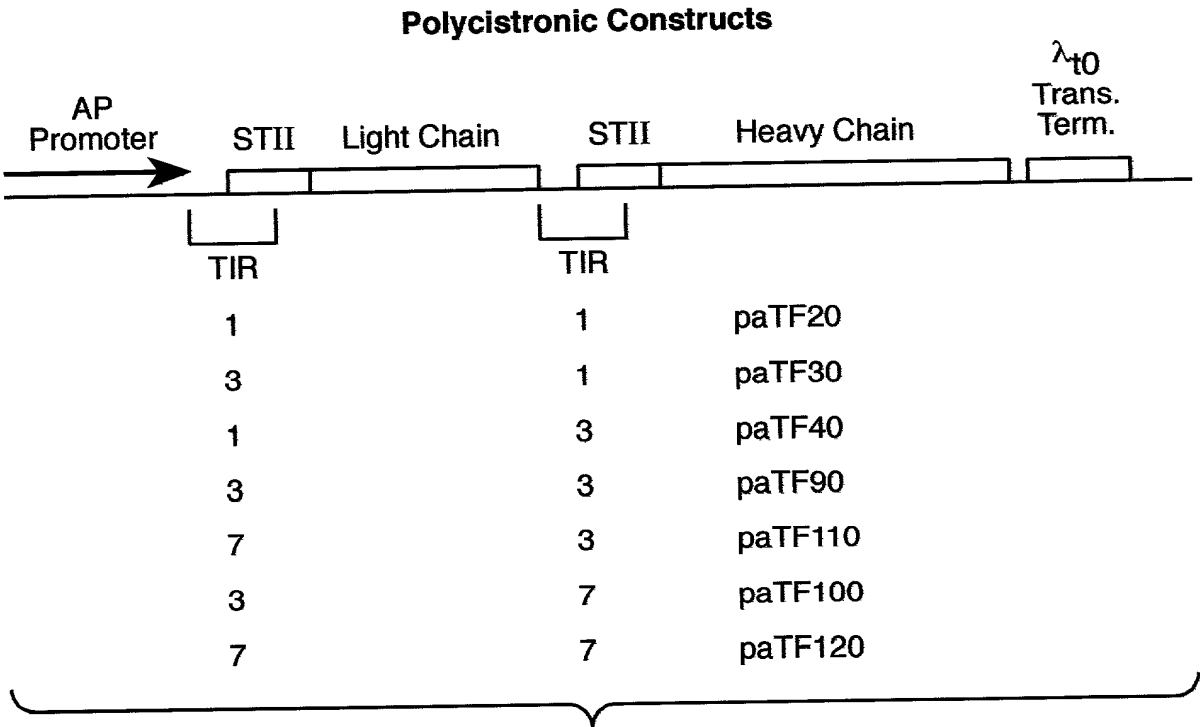


FIG._3

FIG._4A

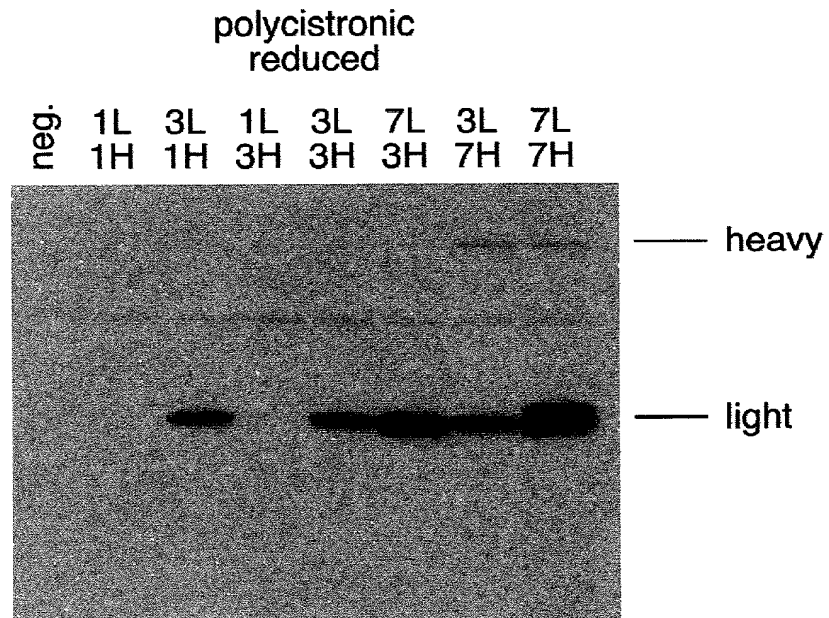
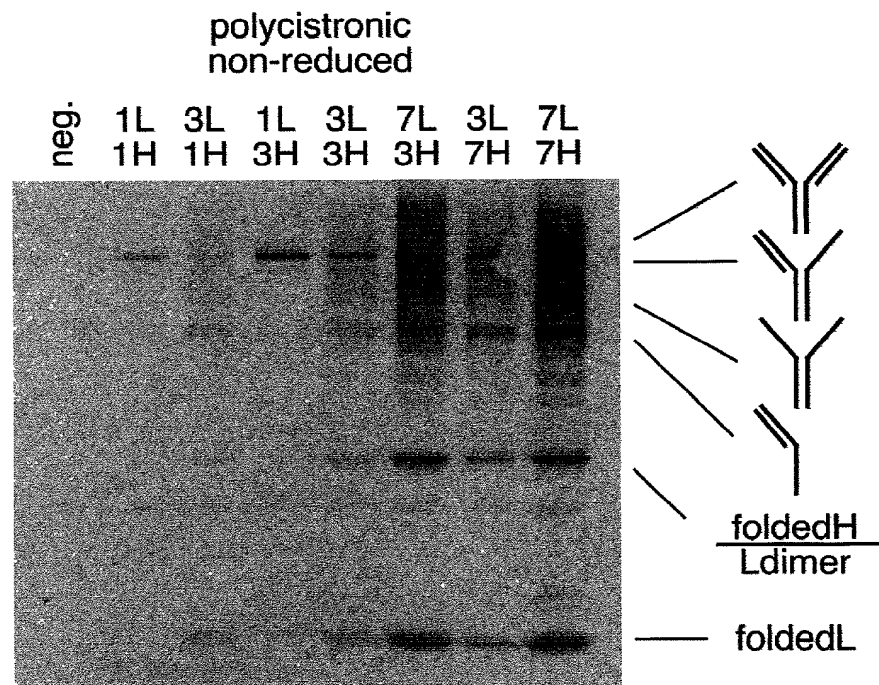


FIG._4B



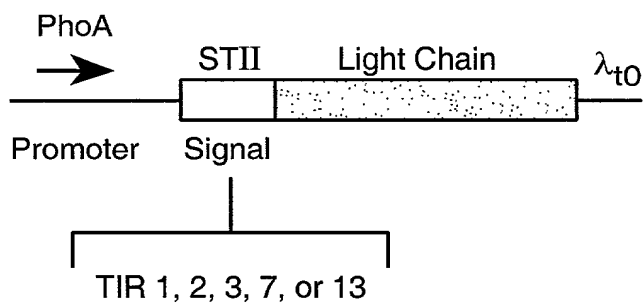
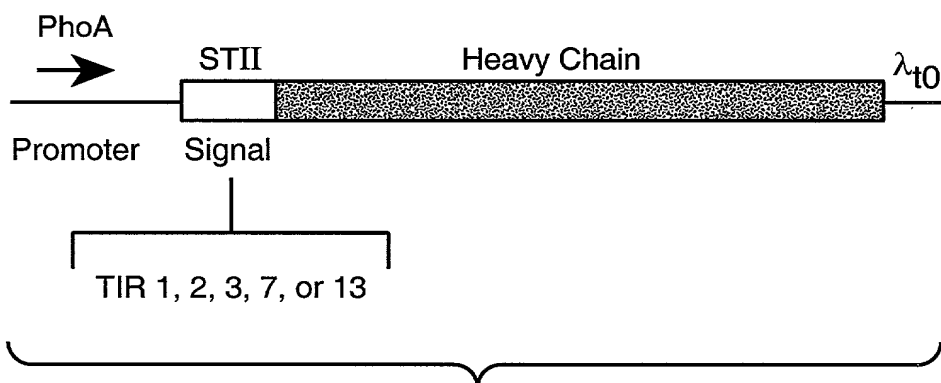
Light Chain Constructions**Heavy Chain Constructions****FIG._5**



FIG._6A

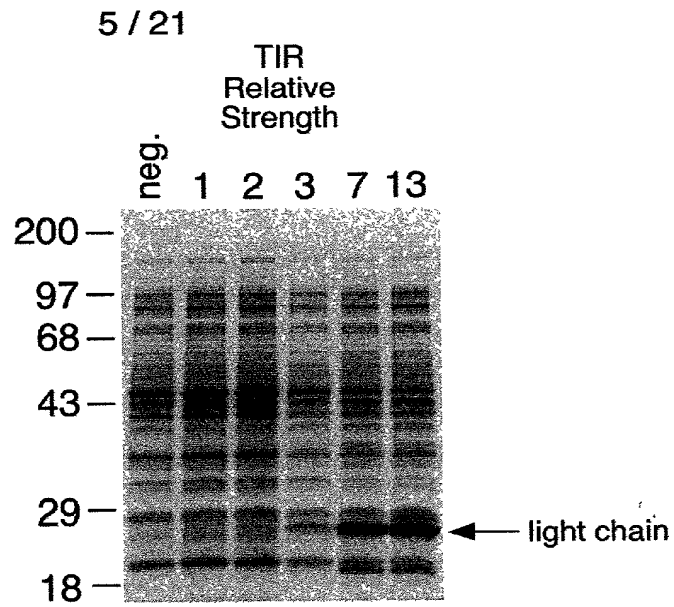


FIG._6B

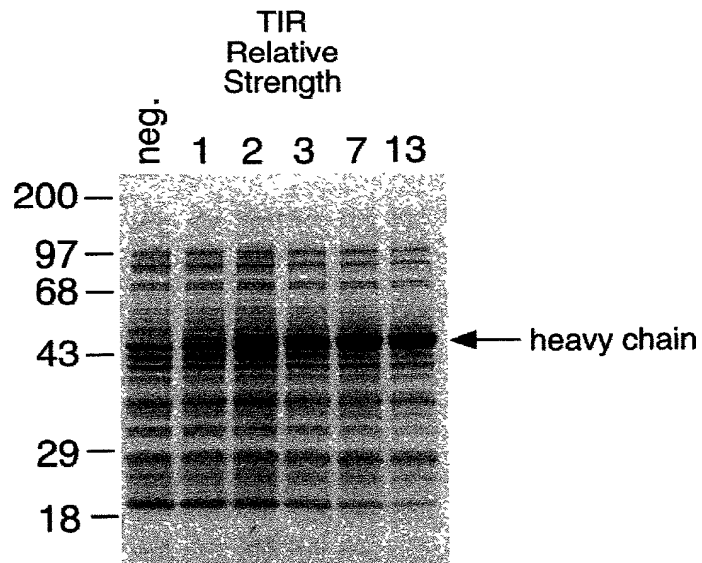
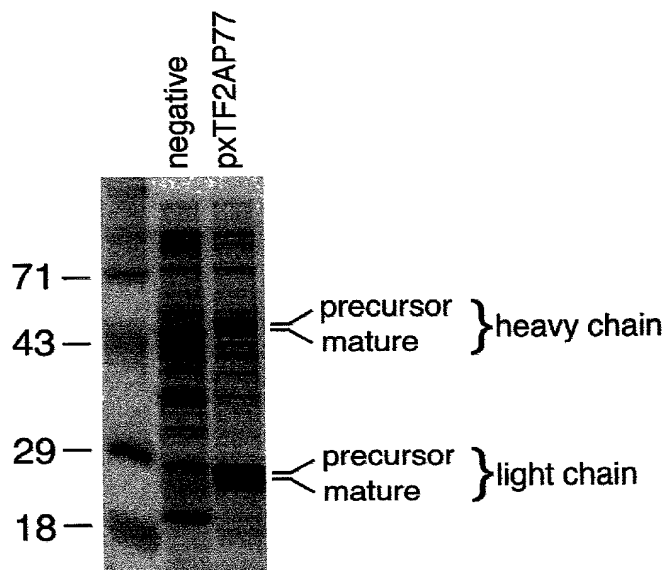
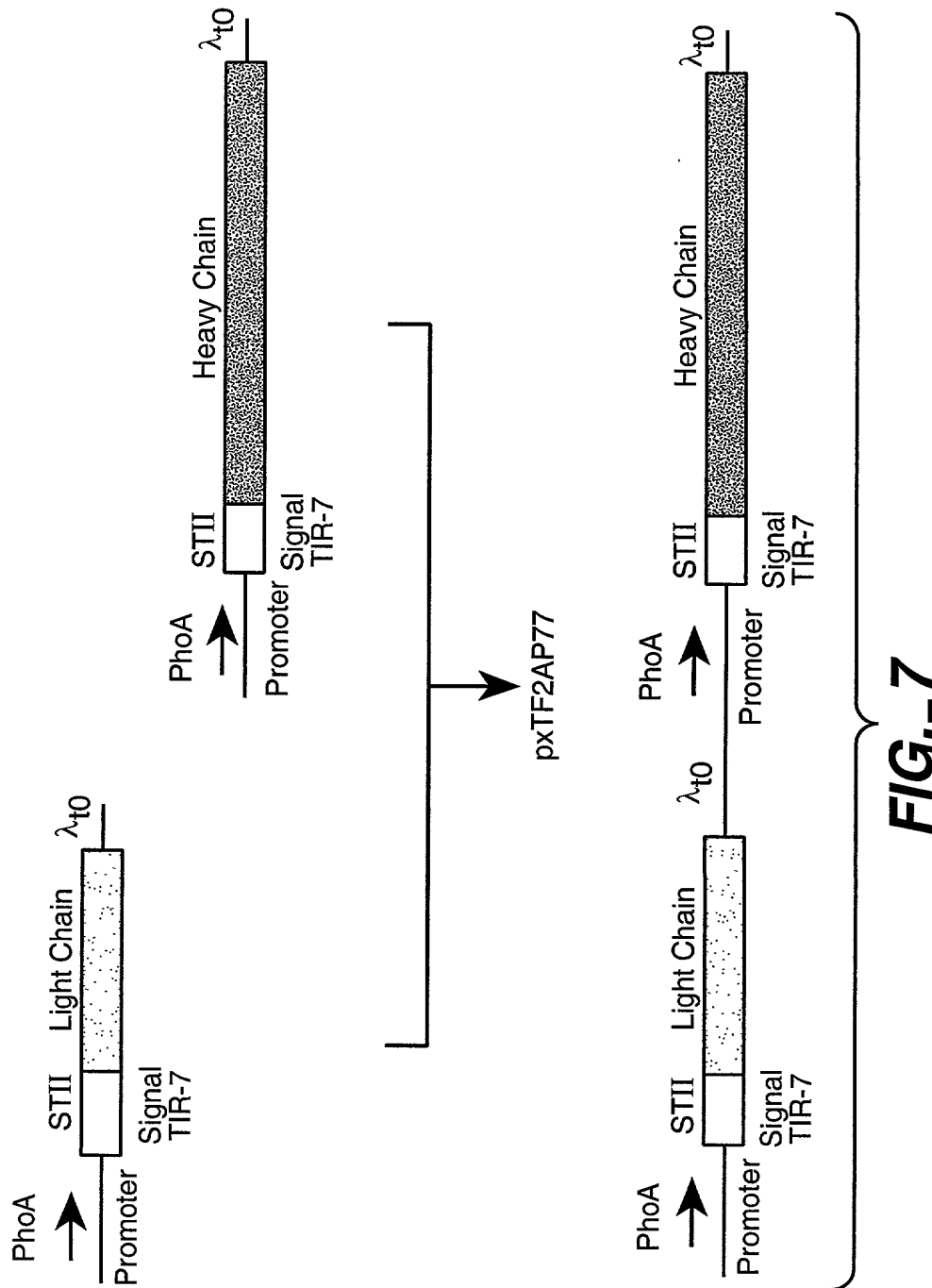


FIG._8





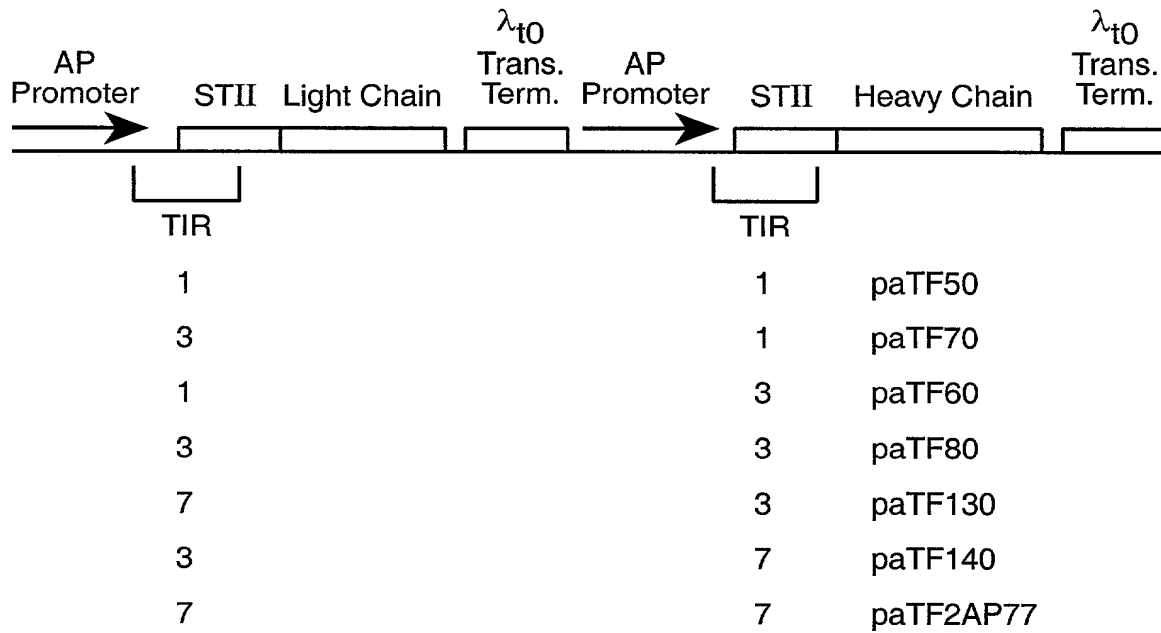
Separate Cistron Constructs**FIG._9**

FIG._10A

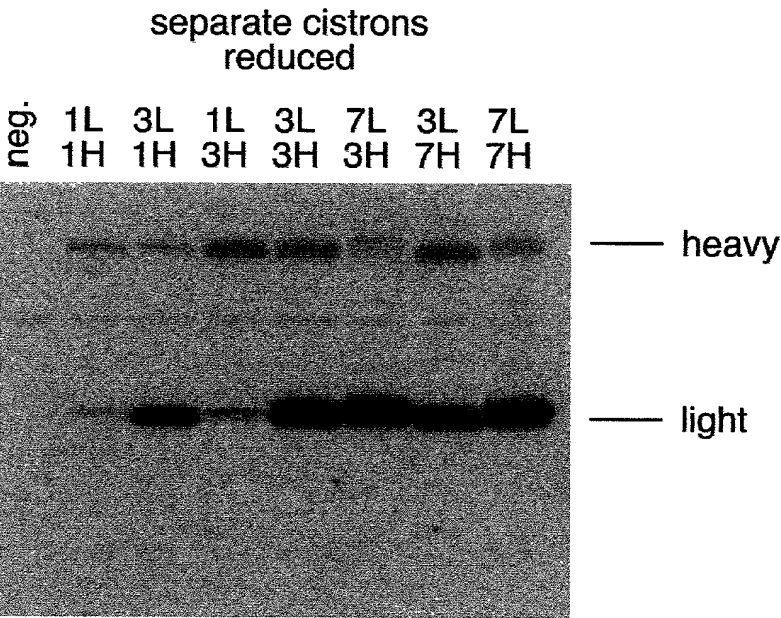
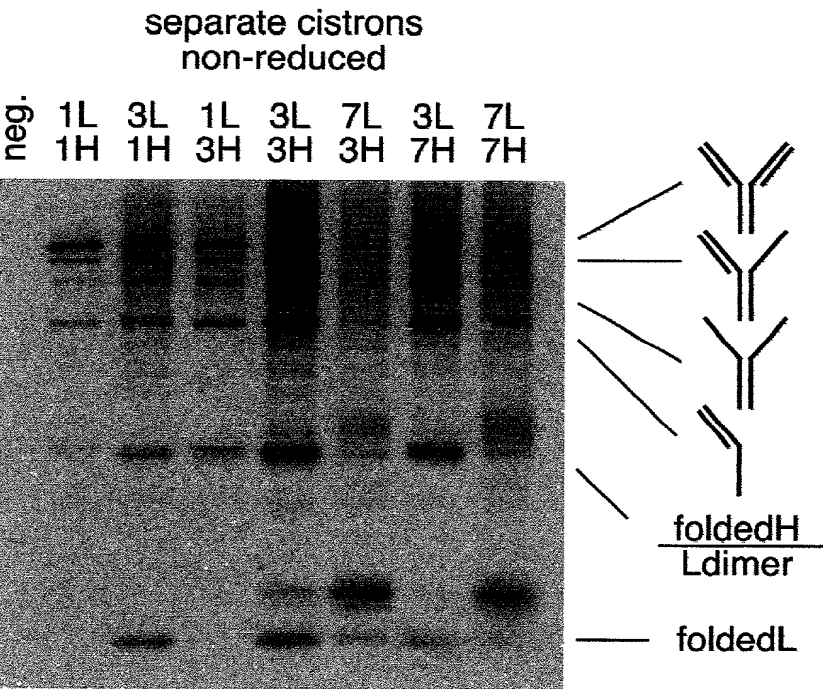
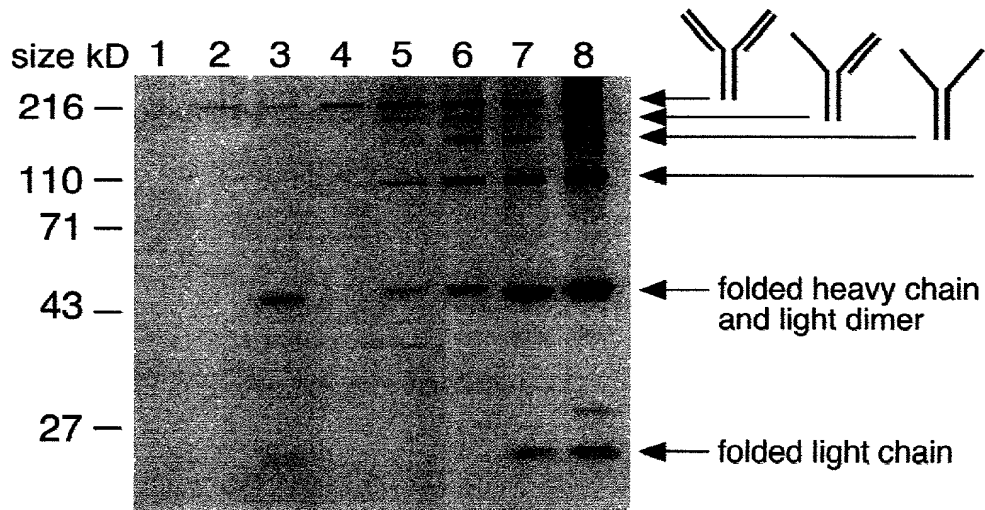
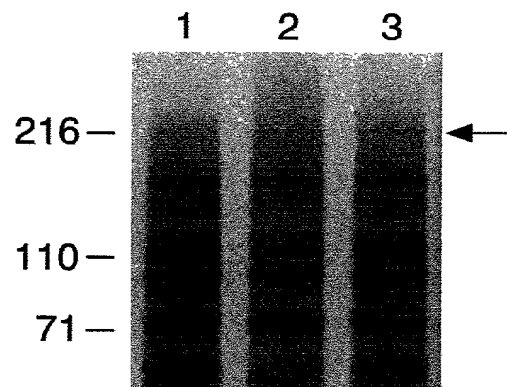


FIG._10B





- 1) negative control
- 2) TIR 1-light, TIR 1-heavy, polycistronic
- 3) TIR 3-light, TIR 1-heavy, polycistronic
- 4) TIR 1-light, TIR 3-heavy, polycistronic
- 5) TIR 1-light, TIR 1-heavy, separate cistrons
- 6) TIR 1-light, TIR 3-heavy, separate cistrons
- 7) TIR 3-light, TIR 1-heavy, separate cistrons
- 8) TIR 3-light, TIR 3-heavy, separate cistrons

FIG._11**FIG._12**

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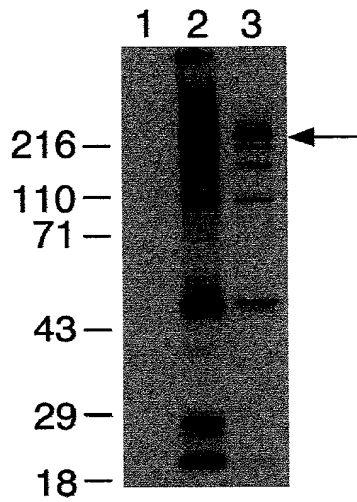


FIG. 13

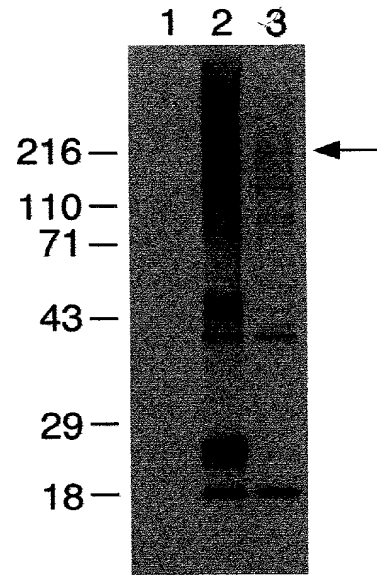


FIG. 14

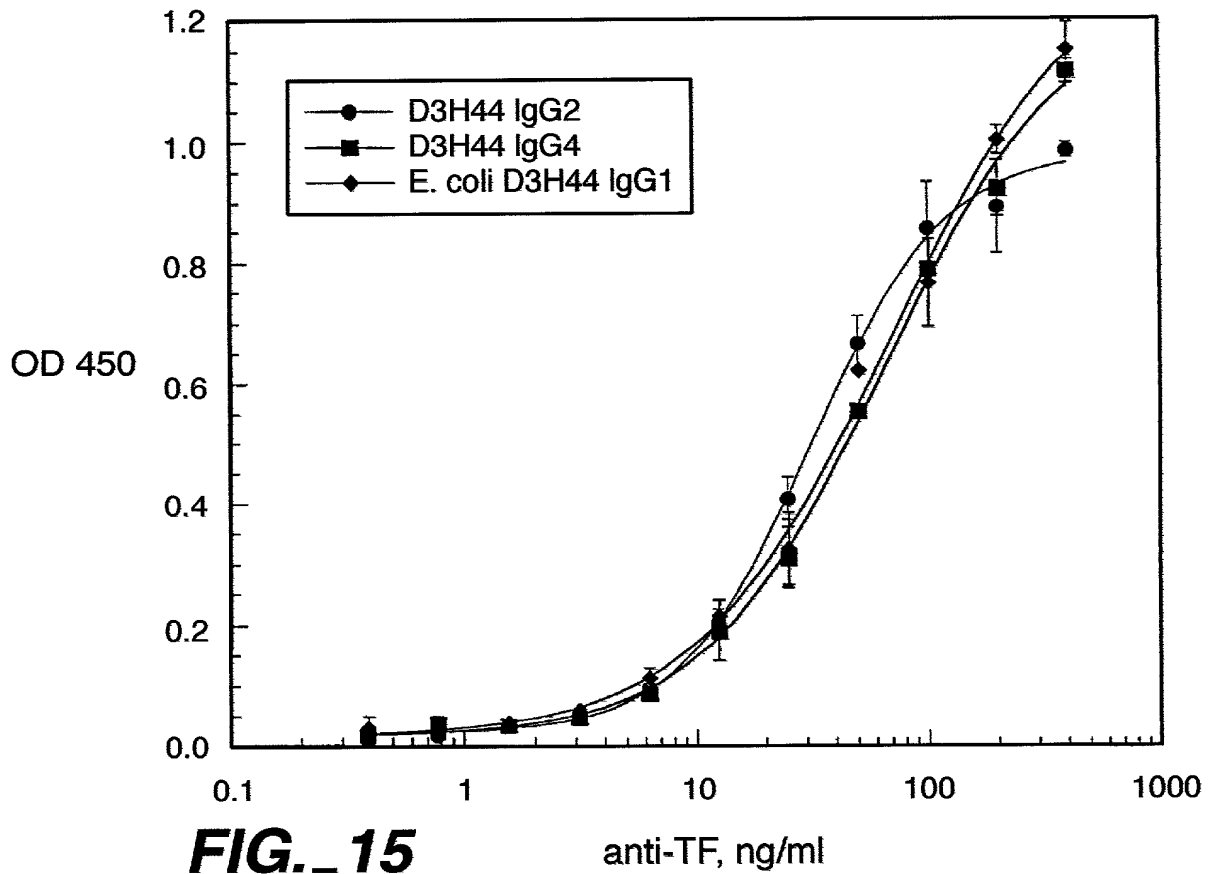
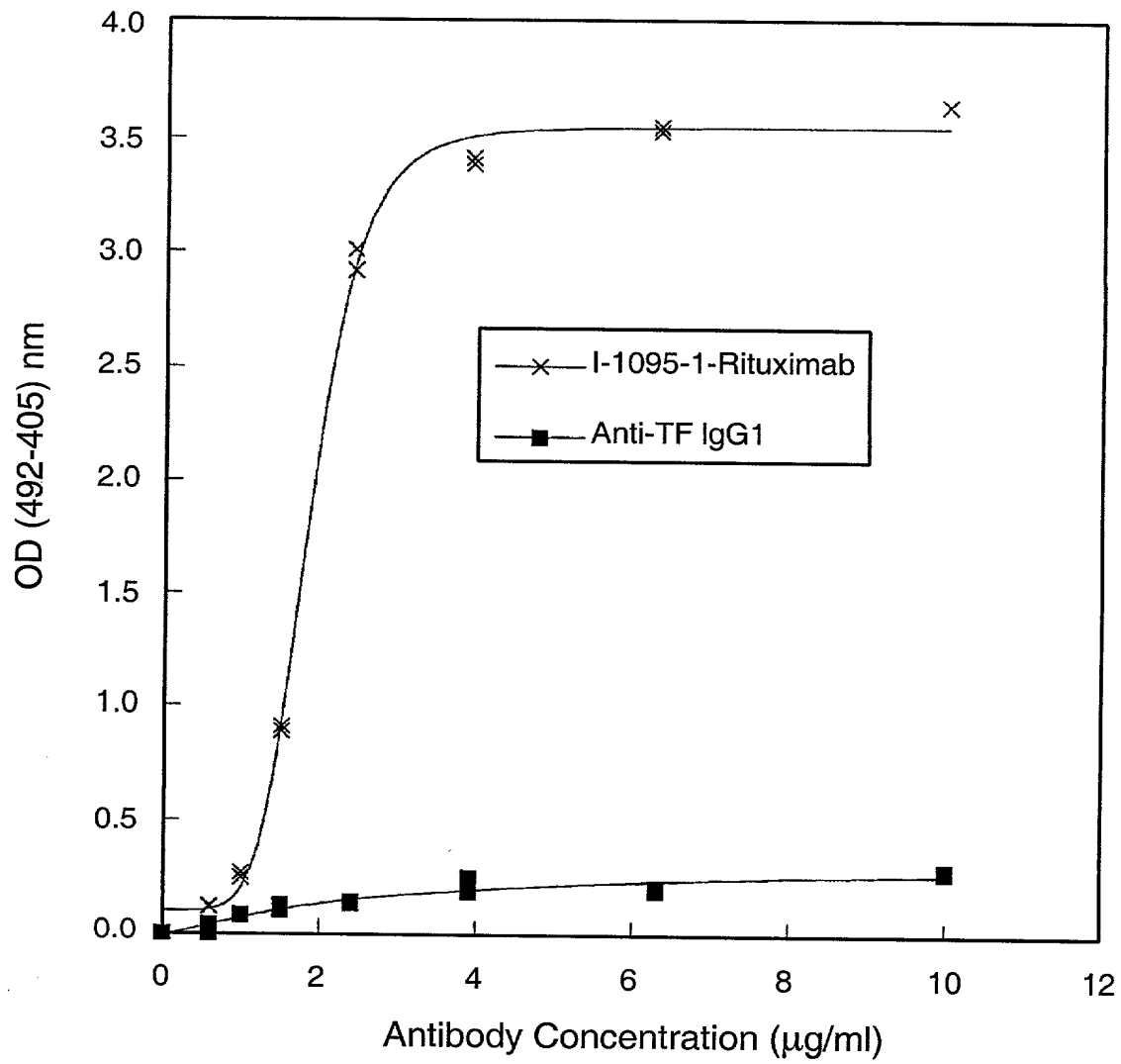
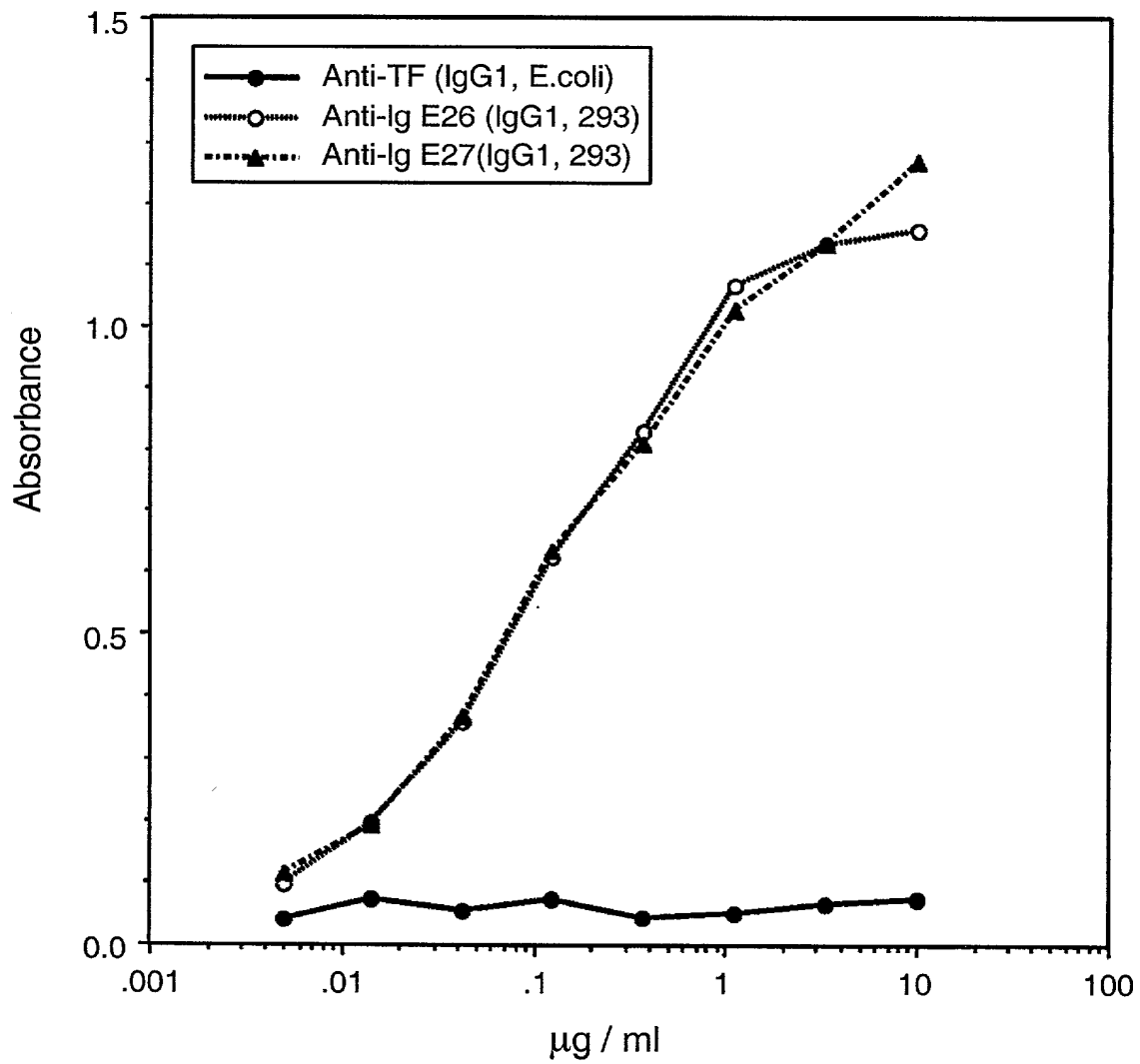


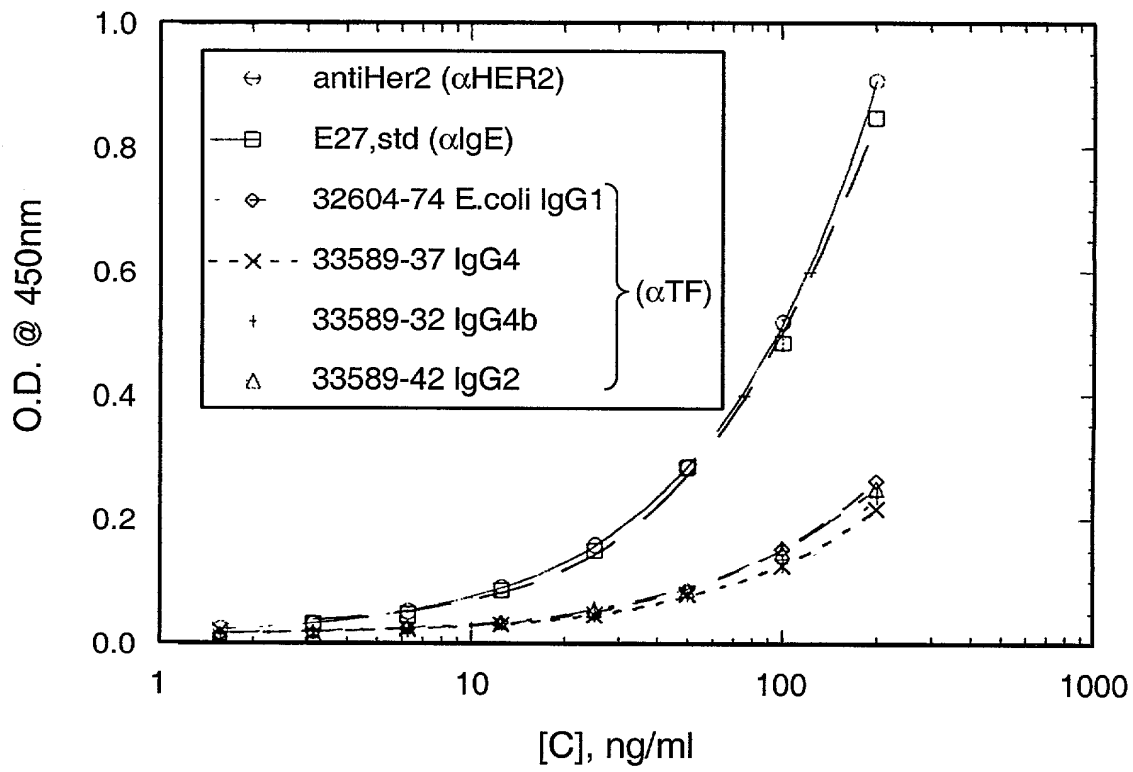
FIG. 15

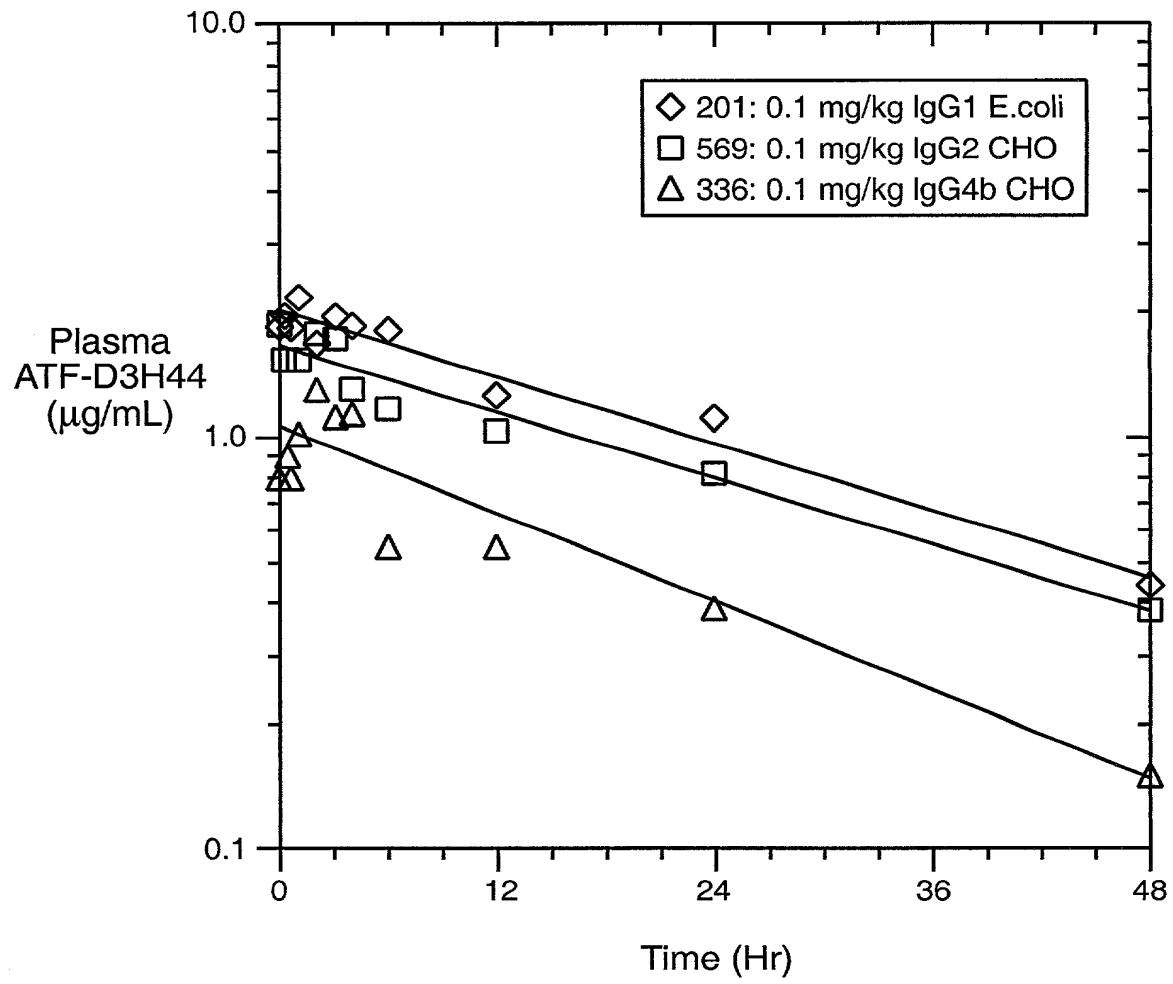
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**FIG._16**

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**FIG. 17**

**FIG._18**

**FIG. 19**

1 GAATTCAACT TCTCCATACT TTGGATTAAGG AAATACAGAC ATGAAAAATC TCATTGCTGA GTTGTATTATTT AAGCTTGCCTC AAAAAGAAGA AGAGTCGAAT
 CTTAAGTIGA AGAGGTATGA AACCTATTC TTTATGCTG TACTTTTTTAG AGTAACGACT CAACAATAAA TTCTGAACGGG TTTTCTCTCT TCTCAGCTTA
 101 GAACTGTGCG CGCAGGTAGA AGCTTTGGAG ATTATCGICA CTGCAATGCT TCGCAATATG GCGCAAAATG ACCAAACAGCG GTTGATTGAT CAGGTAGAGG
 CTTGACACAC GGGTCCATCT TCGAAACCTC TAATAGCAGT GAGGTATAGA AGCGTTATAC CGCGTTTTAC TGGTTGTGCG CAACTAATA GTCCATCTCC
 201 GGGCGCTGTA CGAGGTAAAG CCCGATGCCA GCATTCTGTA CGAGCTGCTG GAGCTTACGT AAAGAAGTTA TTGAAGCATC CTGCTCAGTA
 CCCGCGACAT GCTCCATTTC GGGCTACGGT CGTAAGGACT GCTGCTATGC CTGAGCAGG CGCTAATGCA TTTCTTCAAT AACTTCGTAG GAGCAGTCAT
 301 AAAAGTTAAT CTTTTCACA GCTGTCAATA AGTTGTCAAG GCGGAGCTT ATAGTCTGCT TGTTTTTAT TTTTAATGTA TTTGTAATA GTACGCCAAGT
 TTTTCAATTA GAAAAGTTGT CGACAGTATT TCAACAGTGC CGGCTCTGAA TATCAGCGAA ACAAAATAA AAATTTACAT AAACATTGAT CATGCGTTCA
 401 TCACGTAAAA AGGTATCTA GAATTATGAA GAAGAATATC GCATTCTTTC TTGCATCTAT GTTGTGTTTT TCTATTGCTA CAAAACGGTA CGCTGATATC
 AGTGCATTTT TCCCATAGAT CTTAATACTT M K K N I A F L L A S M F V F S I A T N A Y A D I
 1 ^STII Signal Sequence TIR-1 Anti-Tissue Factor Light Chain^
 501 CAGATGACC AGTCCCGAG CTCCTGTGTC CCTCTGTG GCGATAGGT CACCATACC TGCAGAGCCA GTCCGACAT CAAGAGCTAT CTGAACCTGT
 GTCTACTGG TCAGGGGCTC GAGGACAGG CGGAGACACC CGCTATCCCA GTGGTAGTGG ACGTCTGGT CAGCGCTGTA GTTCTGATA GACTTGACCA
 26 Q M T Q S P S S L S A S V G D R V T I T C R A S R D I K S Y L N W Y
 601 ATCAACAGAA ACCAGGAAA GCTCCGAAAG TACTGATTTA CTATGCTACT AGTCTGCTG AAGGAGTCC TTCTCGCTTC TCTGGATCCG GTTCTGGGAC
 TAGTGTCTT TGGTCTTTT CGAGGCTTTC ATGACTAAAT GATACGATGA TCAGAGCGAC TTCTCTCAGG AAGAGCGAAG AGAOCCTAGG CAAGACCCCTG
 60 Q Q K P G K A P K V L I Y Y A T S L A E G V P S R F S G S G S G T
 701 GGATTACACT CTGACCATCA GCAGTCTGCA GCCAGAAGAC TTCCGAACTT ATTACTGTCT TCAGCACGGA GAGTCTCCAT GGACATTTGG ACAGGTAC
 CCTAATGTA GACTGGTAGT CGTACAGAGT CGGTCTCTG AAGCTTCTG TAATGACAGA AGTCTGCTT CACAGAGGTA CCTGTAAACC TGTCCCATGG
 93 D Y T L T I S S L Q P E D F A T Y Y C L Q H G E S P W T F G Q G T
 801 AAGGTGAGA TCAACGAAAC TGTGGCTGCA CCATCTGCT CCATCTGCC AATCTGGAAC TGCTTCTGTT GTGTGCTGCTG
 TTCCACCTCT AGTTTGTCTG ACACCGAGCT GGTAGACAGA AGTAGAAGG CGGTAGACTA CTCGTCACT TTAGACCTTG ACGAAGACAA CACACGGACG
 126 K V E I K R T V A A P S V F I F P P S D E Q L K S G T A S V V C L L
 901 TGAATAACTT CTATCCAGA GAGGCCAAAG TACAGTGGAA GGTGGATAAC GCCCTCCAAT CGGTAACTC CCAGGAGAGT GTACACAGAGC AGGACAGCAA
 ACTTATGAA GATAGGGTCT CTCGGGTTTC ATGTACACT CCACCTATG CGGAGGTGA GCCCATGAG GGTCCTCTCA CAGTGTCTG TCTGTCTGTT
 160 N N F Y P R E A K V Q W K V D N A L Q S G N S Q E S V T E Q D S K
 1001 GGACAGCAC TACAGCTCA GCAGCACCT GACGCTGAGC AAAGCAGACT ACGAGAAACA CAAAGTCTAC GCCTGCGAG TCACCCATCA GGGCTGAGC
 CCTGTCTGAG ATGTCTGAGT CGTCTGGGA CTGCGACTCG TTTCTGCTGA TGTCTTTGT GTTTCAGATG CGGACGCTTC AGTGGGTAGT CCGGACTCG
 193 D S T Y S L S S T L T L S K A D Y E K H K V Y A C E V T H Q G L S
 1101 TCGCCCGTCA CAAAGAGCTT CAACAGGGA GAGTGTAT TAATCTCT ACGCCGAGC CATCTGCGG AGCTCGGTAC CCGGGATCT AGGCCTAAG
 AGCGGCGAGT GTTCTCTGAA GTTCTCTGAA ATTTAGGAGA TGGGCGCTGC GTAGCACCGC TCAGAGCCATG GGGCCCTAGA TCCGGATTGC
 226 S P V T K S F N R G E C O

FIG..20a

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1201 CTCGGTGGC GCGGGGGTT TTTTATTGTT GCGGACGGC ATCTCGAATG AACTGTGTGC GCAGGTAGAA GCTTTGGAGA TTATGTCTAC TGCAATGCTT
 GAGCCAACGG CCGCCCGCAA AAAATAACAA CGGCTGGCGG TAGAGCTTAC TTGACACACG CGTCCATCTT CGAAACCTCT AATAGCAGTG ACGTTACGAA
 1301 CGCAATATGG CGCAAAATGA CCAACAGCGG TTAGTTGATC AGGTAGAGGG GGGCTGTATC GAGGTAAAGC CCGATGCCAG CATTCCTGAC GACGATAOCC
 GGGTTATACC GGGTTTACT GGTGTGCGC AACTTAATAG TCCATCTCC CCGGACATG CTCATTTGG GGTACGGTC GTAAAGGACTG CTGCTATGCC
 1401 AGCTGCTGG CGATTACGTA AAGAAGTTAT TGAAGCATCC TCGTCAGTAA AAAGTTAATC TTTCACACAG CTGTCAATAA GTTGTACAGG CCGAGACTTA
 TCGACGACGC GCTAATGCAT TTCTTCAATA TTCTTCAATAG AAAAGTTGTC GACAGTATTT CAACAGTGCC GGTCTGTAAT
 1501 TAGTCGCTTT GTTTTATTTT TTTTAATGAT TTGTAATAG TAGGCAAGTT CACGTAAATA GGGTATCTAG AATTATGAG AAGAATATCG CATTCTTCT
 ATCAGCGGAA CAAAATAA AAATTACATA AACATTGATC ATGCGTTCAA GTGCAATTTT CCCATAGATC TTAATATCTT TTTTATAGC GTAAAGAAGA
 1601 TGCAATCTATG TTCGTTTTT CTATTGCTAC AAACGGGTAC GCTGAGGTC AGCTGGTGA GTCTGGGGT GGCTGGTGC AGCCAGGGG CTCACTCGT
 ACGTAGATAC AAGCAAAAAA GATAACGATG TTTCGGCATG CGACTCCAAG TCACCACTC CAGACGCCA CCGGACCAAG TCGTCCCTC GAGTGAGGCA
 10 A S M F V F S I A T N A Y A E V Q L V E S G G L V Q P G G S L R
 ^Anti-Tissue Factor Heavy Chain
 1701 TTGTCCTGAG CAGCTTCTGG CTTCAATATT AAGGATGACT ACATGCACG GTTCCTGAC GCGCCGGTA AGGCCCTGGA ATGGGTGGA TTGATGATC
 AACAGGACAC GTCGAAGACC GAAGTTATAA TTCTCTATGA TTGACGTGAC CCAGGCGATC CCGGGCCAT TCCCGGACCT TACCCAACTT AACTAATAG
 43 L S C A A S G F N I K E Y Y M H W V R Q A P G K G L E W V G L I D P
 1801 CAGAGCAAGG CAACACGATC TATGACCGA AGTTCCAGGA CCGTGCCTT ATAGCGCTG ACAATTCAA AAACACAGCA TACTTCAGA TGAACAGCT
 GTCTCGTTCC GTTGTGCTAG ATACTGGGT TCAAGTTCTT GGCACGGTGA TATTCGGAC TGTTAAGTT TTTGTGTCT ATGAGCTCT ACTTGTGGA
 77 E Q G N T I Y D P K F Q D R A T I S A D N S K N T A Y L Q M N S L
 1901 GGTGCTGAG GACACTGCGG TCTATTATTG TGCTCGAGAC ACGGCCGCTT ACTTCGACTA CTGGGTCAA GGAACCTGG TCACCGTCTC CTCGGCTCC
 CGCACACTC CTGTGAAGC AGATAATAC ACAGCTCTG TGCCGGGAA TGAAGCTGAT GACCCAGTT CTTGGGACC AGTGGCAGAG GAGCCGGAG
 110 R A E D T A V Y Y C A R D T A A Y F D Y W G Q G T L V T V S S A S
 2001 ACCAAGGCC CATCGGTCTT CCCCCTGCA CCGTCTCCA AGACCACTC TGGGGGACA GCGCCCTGG GCTGCCCTGT CAGGACTAC TTCCCGAAC
 TGGTTCCTGG GTAGCCAGAA GGGGACCGT TCTGTGTGAG ACCCCGCTG CCGCGGACC CAGCGGACCA GTTCTGATG AAGGGCTTG
 143 T K G P S V F P L A P S S K S T S G G T A A L G C L V K D Y F P E P
 2101 CGGTGACGGT GTCGTGAAC TCAGGCGCC TGACAGCGG CGTGACACC TTCCCGCTG TCCTACAGTC CTCAGGACTC TACTCCTCA GCAGCGTGT
 GCCACTGCCA CAGCACCTTG AGTCCGCGG ACTGCTGCC CACGTGTGG AAGGCGGAC AGGATGTGAG GAGTCTGAG ATGAGGAGT CGTGCAACA
 177 V T V S W N S G A L T S G V H T F P A V L Q S S G L Y S L S S V V
 2201 GACTGTGCC TCTAGCAGT TGGGCACCA GACTTACATC TGCAAGTGA ATCACAAGC CAGCAACAC AAGGTGGACA AGAAGTTGA GCCCAATCT
 CTGACACGG AGATGTGCA ACCCGGGT CTGGATGATG ACGTGCAT TAGTGTGG GTGCTGTGG TTCCACCTGT TCTTTCACT CCGGTTTGA
 210 T V P S S S L G T Q T Y I C N V N H K P S N T K V D K K V E P K S
 ^STII Signal Sequence TIR~1

FIG. 20b

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2301 TGTGACAAAA CTCACACATG CCAACCGTGC AACTCTCTGG GGGACCGTCA GTCTTCTCT TCCCCCAAA ACCCAAGGAC ACCCTCATGA
 243 C D K T H T C P P C P A P E L L G G P S V F L F P P K P K D T L M I
 2401 TCTCCCGGAC CCCTGAGGTC ACATGCGTGG TGGTGGACGT GAGCCACGAA GACCTGAGG TCAAGTTCAA CTGGTACGTG GACGGCGTGG AGGTGCATAA
 277 S R T P E V T C V V T C V V V D V S H E D P E V K F N W Y V D G V E V H N
 2501 TGGCAGACA AAGCCGCGG AGAGCAGTAA CAACAGCAG TACCGTGTGG TCAGCGTCTT CACCGTCTTG CACCAGGACT GGCTGAATGG CAAAGAGTAC
 310 A K T K P R E Q Y N S T Y R V V S V L T V L H Q D W L N G K E Y
 2601 AAGTGAAGG TCTCCAACA AGCCCTCCCA GCGCCCATCG AGAAAACCAT CTCCAAGCC AAAGGCGAG CCGGAGAAOC ACAGGTGTAC ACCCTGCCCC
 343 K C K V S N K A L P A P I E K T I S K A K G Q P R E P Q V Y T L P P
 2701 CATCCCGGGA AGAGATGACC AAGAACCAGG TCAGCTGAC CTGCTGGTC AAGGCTTCT ATCCAGCGA CATGCCCGTG GAGTGGGAGA GCATGGGCA
 377 S R E E M T K N Q V S L T C L V K G F Y P S D I A V E W E S N G Q
 2801 GCGGAGAAC AACTACAAGA CCACGCCCTC CGTGCTGGAC TCCGACGGCT CCTCTCTCT CTACAGCAAG CTACCCGTGG ACAAGAGCAG GTGGCAGCAG
 410 P E N N Y K T T T P P V L D S D G S F F L Y S K L T V D K S R W Q Q
 2901 GGGACGTCT TCTCATGCTC CGTGAATGCAT GAGGCTCTGC ACAACCACTA CACGCAAG AGCCCTCTCC TGCTCTCGGG TAAATAAGCA TGGGACGGCC
 443 G N V F S C S V M H E A L H N H Y T Q K S L S L S P G K O
 3001 CTAGAGTCCC TAACGCTCGG TTGCGCGCGG GCGTTTTTAA TTGTTAATC ATGTTTGACA GCTTTATCATC GATPAAGCTTT AATGCGGTAG TTTATCACAG
 3101 TTAATTTGCT AACGCAGTCA GGCACCGTGT ATGAATCTA ACAATGGCT CATCGTCATC CTCGGCACCG TCACCCCTGA TCCTGTAGGC ATAGGCTTGG
 AATTTAACA TTGCGTCAGT CCGTGGCACA TACTTTAGAT TGTACGCGA GTAGCAGTAG GAGCCGTGGC AGTGGGACCT ACGACATCG TATCCGAACC
 ^Start Tet Resistance Coding Sequence
 3201 TTATGCCGGT ACTGCCGGG CTCTTGGCGG ATATCGTCCA TTCCGACAGC ATCGCCAGTC ACTATGGCGT GCTGCTAGCG CTATATGCGT TGATGCAATT
 AATACGGCCA TGACGGCCCG GAGAACGCC TATAGCAGGT AAGCTGTG TAGCGGTGCG TGTATCCGCA GATATACGCA ACTACGTTAA

3301

FIG.--20c

1 GAATCAACT TCTCATACT TTGGATAAGG AATACAGAC ATGAAAAATC TCATTGCTGA GTTGTATTATTT AAGTTTGCCC AAAAGAAGA AGAGTCGAAT
 CTTAAGTTGA AGAGTATGA AACCTATTCC TTTATGTCGT TACTTTTGTAG AGTAACGACT CAACAATAAA TTGGAACGGG TTTTCTTCTT TCTCAGCTTA
 101 GAACTGTGTG CGCAGGTAGA AGCTTTGGAG ATTATCGTCA CTGCAATGCT TCGCAATATG GCGCAAAATG ACCAACACGG GTTGATTGAT CAGGTAGAGG
 CTTGACACAC GCGTCCATCT TCGAAACCTC TAATAGCAGT GAGGTTACGA AGCGTTATAC CGCGTTTATC TGGTTGTGCG CAACATACTA GTCCATCTCC
 201 GGGCGCTGTA CGAGGTAAAG CCCGATGCCA GCATTCCCTGA CGAGTATAG GAGTGTGTC GCGATTACGT AAAGAAGTTA TTGAAGCATC CTCGTCACTA
 CCCGGACAT GCTCCATTTC GGGCTACGGT CGTAAGGACT GCTGCTATGC CTCGACGAG CGCTAATGCA TTTCTTTCAAT AACTTCGTAG GAGCAGTCAT
 301 AAAAGTTAAT CTTTTCACAA GCTGTCAATA AGTTGTACAG GCGGAGACTT ATAGTCGCTT TGTTTTTTAT TTTTAAATGA TTTGTAACATA GTACGCAAGT
 TTTTCAATTA GAAAAGTTGT CGACAGTATT TCAACAGTGC CGGCTCTGAA TATCAGCGAA ACAAATAA AAAATTACAT AAACATTGAT CATGCGTTCA
 401 TCACGTAAA AGGTATCTA GAATTATGAA GAAGATATC GCATTTCTTC TTGCACTCAT TTGCGTTTTC TCATTGCTA CAAACGGTA CGTGTATATC
 AGTGCAITTT TCCCATAGAT CTTAATACIT M K K N I A F L L A S M F V F S I A T N A Y A D I
 1 ^STII signal TIR ~1 Anti-VEGF Light chain^

501 CAGTTGACCC AGTCCCGGAG CTCCTGTGCC GCGATAGGGT CACCATCAC TGCAGCGCAA GTCAGGATAT TAGCAACTAT TTAAACTGGT
 GTCAACTGGG TCAGGGGCTC GAGGACAGG CGGAGACACC CGCTATCCCA GTGGTAGTGG ACCTGCGCTT CAGTCCCTATA ATCGTTGATA AATTGACCA
 26 Q L T Q S P S S L S A S V G D R V T I T C S A S Q D I S N Y L N W Y
 601 ATCAACAGAA ACCAGGAAA GCTCCGAAAG TACTGATTTA CTTACCTCC TCTCTCCACT CTGGAGTCCC TTCTCGCTTC TCTGGATCCG GTTCTGGGAC
 TAGTTGCTTT TGTCTCTTTT CGAGGCTTTC ATGACTTAAT GAAGTGGAGG AGAGAGTGA GACCTCAGG AAGAGCGAAG AGACCTAGGC CAAGACCCCTG
 60 Q Q K P G K A P K V L I Y F T S S L H S G V P S R F S G S G S G T
 701 GGATTTCACT CTGACCATCA GCAGTCTGCA GCCAGAAGAC TTCGCAACTT ATTACTGTCA ACAGTATAGC ACCGTGCCGT GGACGTTTGG ACAGGTACC
 CCTAAAGTGA GACTGGTAGT CGTCAGACGT CGGTCTCTTG AAGCGTTGAA TAATGACAGT TGTCTATATCG TGGCAGCGCA CTTGCAAAACC TGTCCCCTGG
 93 D F T L T I S S L Q P E D F A T Y Y C Q Q Y S T V P W T F G Q G T
 801 AAGGTGGAGA TCAACGAAAC TGTGGCTGCA CCATCTGTCT CCATCTTCCC GCGATCTGAT GAGCAGTTGA AATCTGGAAC TGTCTCTGTT GTGTGCTGTC
 TTCCACCTCT AGTTTGCTTG ACACCGACGT GGTAGACAGA AGTAGAAGGG CGGTAGACTA CTCGTCAACT TTAGACCTTG ACGAAGACAA CACACGGACG
 126 K V E I K R T V A A P S V F I F P P S D E Q L K S G T A S V V C L L
 901 TGAATACTT CTATCCCAGA GAGGCCAAAG TACAGTGGAA GGTGGATAAC GCCCTCCAAT CCGGTAACTC CCAGGAGAGT GTCACAGAGC AGGACAGCAA
 ACTTATTGAA GATAGGGTCT CTCCGGTTTC ATGTCACTT CCACCTATTG CCGGAGGTTA GCCCATTTAG GGTCTCTCTCA CAGTGTCTCG TCCTGTCTGTT
 160 N N F Y P R E A K V Q W K V D N A L Q S G N S Q E S V T E Q D S K
 1001 GGACAGCACC TACAGCCTCA GCAGCACCTT GACGCTGAGC AAAGCAGACT ACAGAAACA CAAAGTCTAC GCCTGCGAAG TCACCATCA GGGCTGAGC
 CCTGTCTGAG ATGTCTGGAG CTGCTGGGGA CTGCGACTCG TTTCTGCTGA TGTCTTTTGT TGTCTGATG CGGACGCTTC AGTGGGTAGT CCCGGACTCG
 193 D S T Y S L S S T L T L S K A D Y E K H K V Y A C E V T H Q G L S
 1101 TCGCCCCGTA CAAAGAGCTT CAACAGGGGA GAGTGTAAAT TAAATCTCT ACGCCGAGC CATCTGTGGC AGCTCGGTAC CCGGGGATCT AGGCCTAACG
 AGCGGGCAGT GTTCTCTGAA GTTGTCCCTT CTCACAATTA ATTTAGGAGA TGGCGCCCTGC GTAGCACCGC TCGAGCCATG GCGCCCTAGA TCCGGATTGC
 226 S P V T K S F N R G E C O

FIG._21a

1201 CTCGGTTGCC GCCGGGCGTT TTTTATTGTT GCCGACGGCG ATCTCGAATG AACTGTGTGC GCAGGTAGAA GCTTTGGAGA TTATCGTCAC TGCATGCTT
GAGCCAACGG CGGCCCGCAA AAAATAACAA CGGCTGGCG TAGAGCTTAC TTGACACACG CGTCCATCTT CGAAACCTCT AATAGCAGTG ACCTTACGAA
1301 CGCAATATGG CGCAAAATGA CCAACAGCGG TTGATTGATC AGGTAGAGGG GCGCTGTATC GAGGTAAAGC CCGATGCCAG CATTCCTGAC GACGATACGG
GCGTTATACC GCGTTTACT GGTGTGCGCC AACTAACTAG TCCATCTCC CCGCGACATG CTCCATTTTCG GGTACGGTC GTAAGGACTG CTGCTATGCC
1401 AGCTGCTGCG CGATTACGTA AAGAAGTTAT TGAAGCATCC TCGTCAGTAA AAGTTAATC TTTTCAACAG CTGTCAATAA GTTGTACCG CCGAGACTTA
TCGACGACGC GCTAATGCAAT TTTCTTCAATA ACTTCGTAGG AGCAGTCATT TTTCAATTAG AAAAGTTTC GACAGTATTT CAACAGTGCC GGTCTGTAAT
1501 TAGTCGCTTT GTTTTATT TTTAATGTAT TTGTAAGTAT TGTAACTAG TACGCAAGTT CACGTAAAAA GGGTATCTAG AATTATGAAG AAGAATATCG CATTTCTTCT
ATCAGCGAAA CAAAAATAAA AAATTACATA AACATTGATC ATGCGTTCAA GTGCATTTT CCATAGATC TTAATACTTC TTTTATAGC GTAAAGAAGA
1 M K K N I A F L L
^STII Signal TIR-1
1601 TGCATCTANG TTCGTTTTTT CTATTGCTAC AAACGCGTAC GCTGAGGTTG AGCTGGTGA GTCTGGCGGT GGCCTGGTGC AGCCAGGGG CTCACCTCCGT
ACGTAGATAC AAGCAAAAAA GATAACGATG TTTGCGCATG CGACTCCAAG TCGACCACTT CAGACCGCCA CCGGACCACG TCGGTCCCCC GAGTGAGGCA
10 A S M F V F S I A T N A Y A E V Q L V E S G G G L V Q P G G S L R
^Anti-VEGF Heavy Chain
1701 TTGTCCTGTG CAGCTTCTGG CTACGACTTC ACGCACTACG GTATGAACGT GGTCCGTGAG GCCCGGGTA AGGCTTGA ATGGTTGA TGGATTAACA
AACAGGACAC GTGGAAGACC GATGCTGAAG TCGGTGATGC CATACTTGAC CCAGGCACTC CCGGGCCCAT TCCCGGACCT TACCCAACTT ACCTAATTGT
43 L S C A A S G Y D F T H Y G M N W V R Q A P G K G L E W V G W I N T
1801 CCTATACCGG TGAACGACC TATGCTGCGG ATTTCAACG TCGTTTCACT TTTTCTTTAG ACACCTCAA AAGCACAGCA TACCTGCAGA TGAACAGCCT
GGATATGCC ACTTGGCTGG ATACGACGCC TAAAGTTTGC AGCAAGTGA AAAAGAAATC TGTGAGGTT TTCGTGTCGT ATGGACGTTT ACTTGTCCGA
77 Y T G E P T Y A A D F K R R F T F S L D T S K S T A Y L Q M N S L
1901 GCGCGCTGAG GACACTGCCG TCTATTACTG TGCAAACTAC CCGTACTATT ACGGCACGAG CCACTGGTAT TTCGACGTTT GGGTCAAGG AACCTTGGTC
CGCGGACTC CTGTGACGGC AGATAATGAC ACGTTTCAAG GGCATGATAA TGCCGTGCTC GGTGACCATTA AAGCTGCAGA CCCCAGTTCC TTGGGACCAG
110 R A E D T A V Y Y C A K Y P Y Y Y G T S H W Y F D V W G Q G T L V
2001 ACCGTCTCCT CGGCTCCAC CAAGGGCCCA TCGGTCTCC CCTTCCACG AGCACCCTCTG GGGGCACAGC GGGCTGGGC TGCCTGGTCA
TGGCAGAGGA GCGGAGGTG GTTCCCGGT AGCCAGAAGG GGGACCGTGG GAGGAGTTTC TCGTGGAGAC CCCCCTGTG CCGGACCCG ACGGACCAGT
143 T V S S A S T K G P S V F P L A P S S K S T S G G T A A L G C L V K
2101 AGGACTACTT CCCCAGACG GTGACGGTGT CGTGAACTC AGGCGCCCTG ACCAGCGCG TGCACACCTT CCGGCTGTC CTACAGTCTT CAGGACTCTA
TCCTGATGAA GGGCTTGGC CACTGCCACA GCACCTGAG TCCGCGGAC TGGTCCCGC ACGTGTGAA GGGCCGACAG GATGTACAGA GTCCTGAGAT
177 D Y F P E P V T V S W N S G A L T S G V H T F P A V L Q S S G L Y
2201 CTCCCTCAGC AGCGTGGTGA CTGTGCCCTC TAGCAGCTTG GGCACCCAGA CCTACATCTG CAACGTGAAT CACAAGCCCA GCAACACCAA GGTGGACAAG
GAGGAGTGC TGCACCACT GACACGGGAG ATCTCGAAG CCGTGGGTCT GGTGCTAGAC GTTGCACTTA GTGTTCGGGT CCGTGTGGT CCACCTGTTT
210 S L S S V V T V P S S S L G T Q T Y I C N V N H K P S N T K V D K

FIG.-21b

[illegible]

FIG.-21c

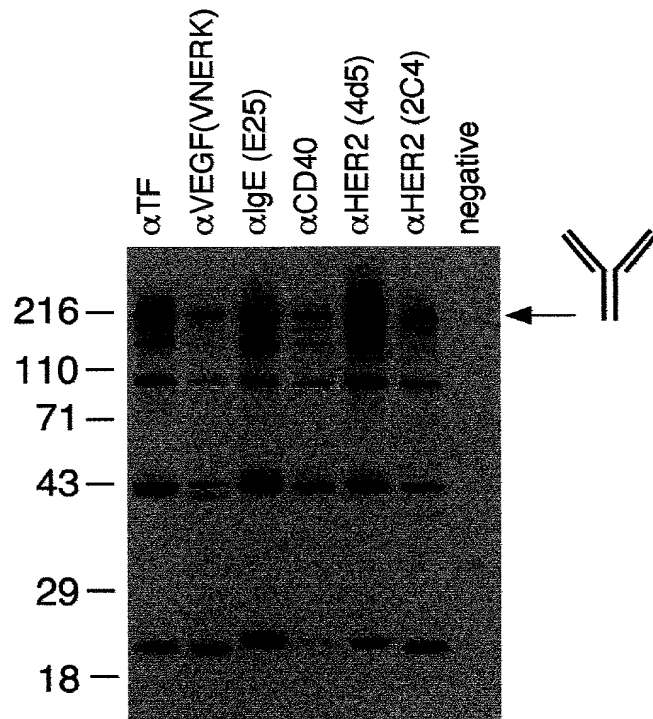


FIG._22A

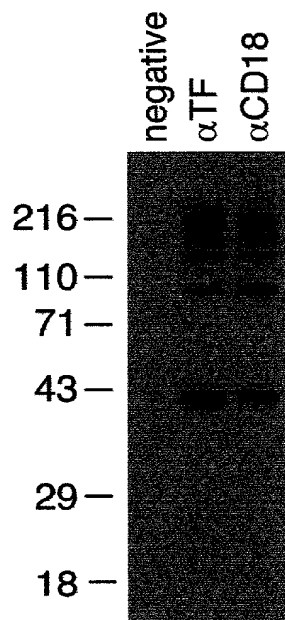


FIG._22B